quatuor erant in ſiniſtro pectore pro digitis, quinta vero eademque maxima dextrum deformabat pectus, pollicem recipiens. Quam itaque perverſus ſit ille, et deteſtandus tenellos infantes tractandi mos, ſatis ille frequens, ex ſupra dictis facile patebit, ſpero, cuique. Si vero ad illos perveniat hæc obſervatio, quod valde optarem, qui infantum curas gerunt, plures, puto, a vitio illo immunes præſtari in poſterum poterunt homines, ne prima ætate male tractati hoc vel alio modo non minus cauto, vel deſigurentur; vel et tabe, vel alio morbo inde orto conſumantur. Simillimam narratæ obſervationem feci nupera hyeme in puella duorum annorum. Et uti jam monui in vivis etiam corporibus animadverti ſimilia. Cum *Rachitide* cæteroquin minime confundenda eſt deformitas iſta.

Dabam Caſſellis Jan. 31. 1747.

Joh. Jac. Huber.

III. *The Operation of* Lithotomy *on* Women, *by Monſ.* le Cat. *M.D. & F.R.S.*

Tranſlated from the French *by* T. S.

Read April 6. 1749.

THE lateral Way of cutting for the Stone, which I have uſed on Men ſince 1732, naturally led me, in the Year 1735, to cut the Widow *Neel*, a Farmer near *Yvetot* in the *Pais de Caux* in the ſame manner, as has been ſeen in the Obſervation. In this Operation the common grooved Staff ſerved me as a Director; and having

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made the Inciſion, on the left Side of the *Urethra*, with the ſtrait grooved Knife, which I uſed that Year in cutting Men, I withdrew the grooved Staff, and introduced the Groove of the Knife.

Immediately after this Operation, I ſhorten'd the Work, by reducing the three Inſtruments to two. For that Purpoſe I contrived to add to the common Gorget *AA*, *Fig.* 1. and 2. TAB. I. a grooved Staff *BB*.

After placing and tying the Patient in the ſame manner as for cutting Men, I at once introduce into the *Urethra* the End *B* of the Gorget, which conſtitutes the grooved Staff, I turn the Groove towards the Patient's left Buttock: On this Groove I puſh the Knife (*Urethro-ciſtitome*) *Fig.* 3. which is not grooved, nor ſo broad as that which I made uſe of in 1735 on the Widow *Nivel.* Having laid open the Neck of the Bladder, I lay aſide the Knife, and thruſt the Gorget farther into the Bladder; for Example, as far as *C*. Then I paſs the Fore-finger on the Gorget into the Bladder, to dilate the Neck; which done, I introduce the Gorget as far forward as is neceſſary, and on it the *Forceps*. The reſt of the Operation is performed as on Men.

The firſt of the Sex, whom I cut in this laſt Method, as appears by my Journal, is *Magdalen le Marchand* of the *Pais de Caux*, aged 22, cut in *May* 1738. I extracted a large Stone from her, and ſhe was cured in ten Days.

Since that time I have conſtantly practiſed this Method, which has ſucceeded perfectly well. When the Stones were little, the Patients were cured in a few Days: But here is one, whoſe ſpeedy Cure has ſomewhat ſurpriſing in it; inaſmuch as I really believe it the only one which has happen'd ſo.

Mary

Mary le Comte of *Diepdal* near *Rouen*, aged 12, cut the 24th of *May* 1740, had a Stone of a middling Size. In three Hours ſhe retain'd her Urine, ſo as not to diſcharge it but voluntarily. I thought it was the pretty common Effect of the inflammatory Swelling, which frequently happens after the Operation; and that the Suppuration would ſoon relax theſe Parts, and open the Wound; but I was miſtaken. There was not the leaſt Suppuration. *Mary le Comte* perform'd all the Functions of this Organ, as uſual; and being tired of the Bed, to which ſhe was confined againſt her Will, ſhe got up the third Day, in good Health, without any Accident ſupervening.

At the ſame time that I was labouring to improve the Manner of cutting Women, and ſhorten the Operation, I contrived another Gorget (*Fig.* 4.) which, beſides the grooved Staff of the former, contain'd within it the cutting Inſtrument, which was to make the Inciſion or Enlargement; that is to ſay, the three Inſtruments in one: And this Inſtrument was attended with this Advantage, that it could ſerve for Men as well as Women. One Hand is ſufficient to perform the Operation with this Inſtrument; but as the other Hand became in a manner uſeleſs; and moreover, as it is probable that a Perſon can better depend on an Inciſion made directly with the Hand, than on thoſe which are made by Machines or Springs. I have not hitherto uſed this Inſtrument; tho' poſſibly the Habit I had contracted of uſing the others has ſome Share herein. However that be, I have annexed the Figure and Deſcription of this Gorget, that thoſe who like it, may make uſe of it.

TAB. I. *Fig.* 4.

Explanation of the Figure of the Gorget, *which Mr.* le Cat *calls* Gorgeret Urethro-ciſlitome.

A, A Ring, for paſſing the middle Finger of the right Hand, which graſps the Handle *G*.

B, Another Ring which is ſlid by the Fore-finger towards *d*, to puſh the Blade *ab*, out of the Groove *EF*. The Figure repreſents the Inſtrument in the State in which it is at the very Inſtant when the Inciſion is made into the Neck of the Bladder. The ſame Fore finger draws the Piece *B* back towards *A*, when the Operator intends to make the Blades return into the Groove *F*; where they lie hid, while he introduces the Inſtrument from *D*, as far as *Ff* into the *Urethra*.

The Groove *FE* is cloſed or covered from *d* to *e*, in order to ſecure the Pieces *a, b, c, d, e*, in Situation.

The Pins, which bind the Hinges *a, b, c*, muſt not be in the Center of the Pieces, but as they are expreſſed in the Figure; where *b* is pretty near the outer Edge, and the other two *a, e*, on the oppoſite Side; to the end that, when the Ring *B* is thruſt forward, the Hinge *b* may bend, and iſſue out of the Groove *F*, by making the Angle *abc*.

Philos. Trans. N°492. **TAB. I.**

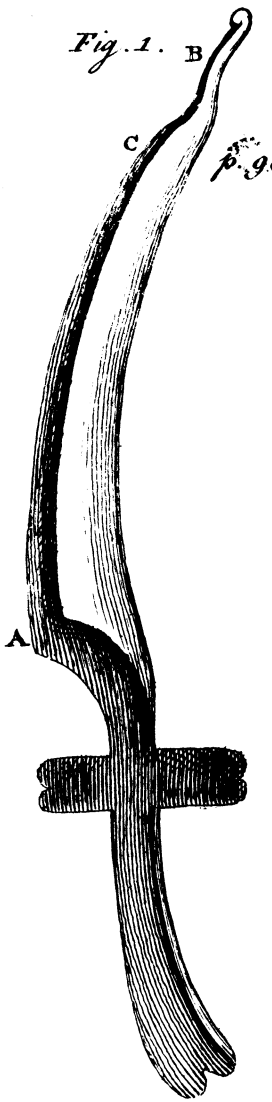

Fig. 1. *p. 98.*

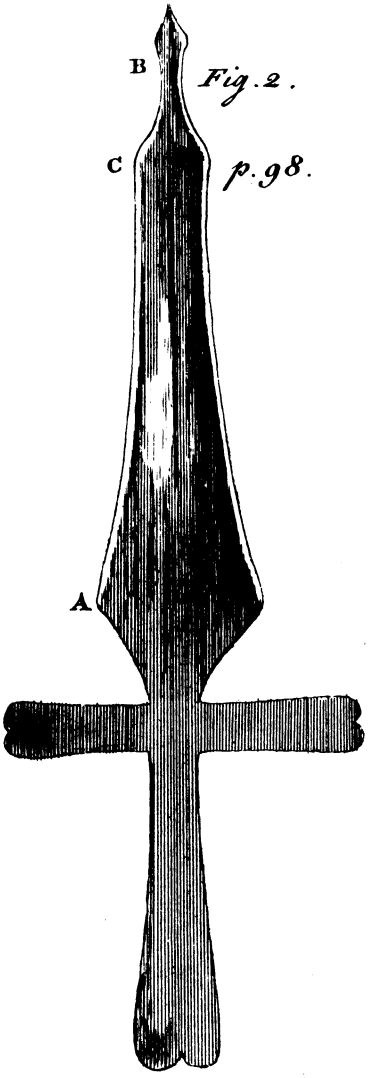

Fig. 2. *p. 98.*

Fig. 3. *p. 98.*

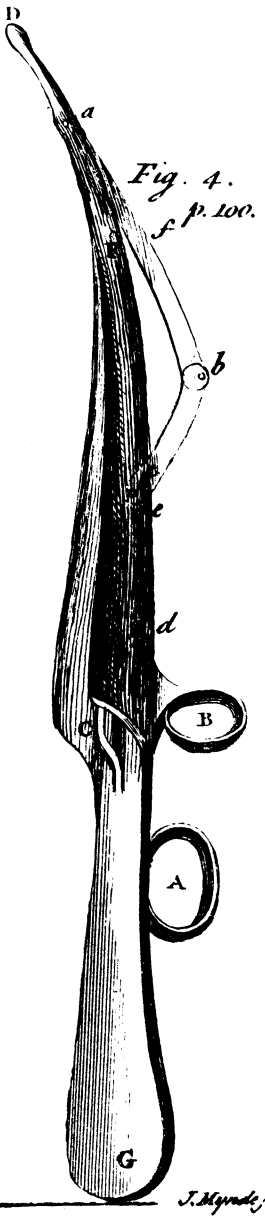

Fig. 4. *p. 100.*

J. Mynde sc.